INTERNATIONAL SEARCH REPORT

International application No.
PCT/.TP2004/01825

0.00		PCT/JP2004/018251
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01M8/04, H01M8/10		
According to International Patent Classification (IPC) or to both nation	anal classification and IPC	
B. FIELDS SEARCHED		
Mininum documentation searched (classification system followed by Int.Cl. H01M8/04, H01M8/10	classification symbols)	,
Documentation searched other than minimum documentation to the ex Jitsuyo Shinan Koho 1922-1996 1 Kokai Jitsuyo Shinan Koho 1971-2005 3	tent that such documents a Toroku Jitsuyo Shi Jitsuyo Shinan Toro	nan Koho 1994-2005
Electronic data base consulted during the international search (name o	f data base and, where prac	ticable, search terms used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with Indication, where a	appropriate, of the relevant	passages Relevant to claim No.
Par. Nos. [0004], [0010], [0	04), [0010], [0056], [0060] to	
A 22 April, 1988 (22.04.88), Page 1, lower right column, page 2, upper right column, left column, line 9; page 2, line 7 to page 3, upper left page 3, lower right column.	Page 1, lower right column, lines 10 to 14; page 2, upper right column, line 12 to lower left column, line 9; page 2, lower right column, line 7 to page 3, upper left column, line 13 to page 4, upper left column, line 13 to page 4, upper left column, line 8; Figs. 1 3	
Further documents are listed in the continuation of Box C.		
Special categories of cited documents: Special categories of cited on categories or considered to be of particular relevance. For example, special categories or ca	See patent family sannex. To later document published after the international filing date or priority date and not no shallet with the application but clied to understand the principle or theory underlying the invention. See document of practical reclearces, the claimed invention cannot be document of practical reclearces the claimed invention cannot be also when the document is lateral subsected to involve an inventive step when the document is lateral subsected to involve an inventive of comment of promise preferences the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other acts documents, such combination being obvious to a present actiled in the art. **A** document member of the same partent family	
Date of the actual completion of the international search 25 March, 2005 (25.03.05)	Date of mailing of the into 12 April, 2	ernational search report 005 (12.04.05)
Name and mailing address of the ISAV Japanese Patent Office	Authorized officer	
acsimile No. im PCT/ISA/210 (second sheet) (January 2004)	Telephone No.	

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/018251

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	JP 60-62064 A (Hitachi, Ltd.), 10 April, 1995 (10.04.85), Page 5, upper left column, lines 14 to 17, page 6, lower right column, lines 5 to 16; page 7, lower right column, line 9 to page 8, upper right column, line 12; Fig. 1 6 EP 137327 A2 6 US 4562123 A	5	
A	JP 1-10776 A (Hitachi, Ltd.), 27 July, 1989 (27.07.89), Page 2, upper right column, lines 9 to 18; page 3, upper left column, lines 11 to 14; Fig. 2 (Family: none)	1-14	
ħ	JP 62-136774 A (Fuji Electric Co., Ltd.), 19 June, 1987 (19.06.87), Page 2, upper right column, line 13 to lower right column, line 12; Fig. 1 (Family: none)	1-14	
*		*	